

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: LAMBDA ENERGY RESOURCES, LLC

Name:

ClientProj: 20-122

GTA ProjNo: 022321-4

Site Addr: KALKASKA 5

Sampled By: SEAN CLARK/OMPC

Date Rec: 2/23/2021

Time Rec: 11:24 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-7D	2/18/2021	6:33 PM	WATER
2	MW-10D	2/18/2021	5:55 PM	WATER
3	MW-26D	2/18/2021	4:47 PM	WATER
4	MW-35D	2/18/2021	3:50 PM	WATER

ELECTRONIC SIGNATURE REPORT. This is a final report for the following pages of data for the samples specified above. All analysis was performed by the methods stated and all quality control measures required were completed. All quality control information is available upon request.

Kirk Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
830 Robinwood Court
Traverse City, MI 49686
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-122
LOCATION: KALKASKA 5
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-7D

GTA PROJECT NO: 022321-4
GTA SAMPLE NO: 1
DATE SAMPLED: 2/18/2021
TIME SAMPLED: 6:33 PM
DATE RECEIVED: 2/23/2021
TIME RECEIVED: 11:24 AM
SAMPLED BY: SEAN CLARK/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		2/26/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-122
LOCATION: KALKASKA 5
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-10D

GTA PROJECT NO: 022321-4
GTA SAMPLE NO: 2
DATE SAMPLED: 2/18/2021
TIME SAMPLED: 5:55 PM
DATE RECEIVED: 2/23/2021
TIME RECEIVED: 11:24 AM
SAMPLED BY: SEAN CLARK/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		2/26/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	022321-4
PROJECT NO:	20-122	GTA SAMPLE NO:	3
LOCATION:	KALKASKA 5	DATE SAMPLED:	2/18/2021
		TIME SAMPLED:	4:47 PM
	MI	DATE RECEIVED:	2/23/2021
		TIME RECEIVED:	11:24 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-26D	SAMPLED BY:	SEAN CLARK/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	3.5	1.0	ug/L (PPB)	MR		2/26/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	022321-4
PROJECT NO:	20-122	GTA SAMPLE NO:	4
LOCATION:	KALKASKA 5	DATE SAMPLED:	2/18/2021
		TIME SAMPLED:	3:50 PM
	MI	DATE RECEIVED:	2/23/2021
		TIME RECEIVED:	11:24 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-35D	SAMPLED BY:	SEAN CLARK/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		2/26/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-122
LOCATION: KALKASKA 5
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 022321-4
GTA SAMPLE NO: 1
DATE SAMPLED: 2/18/2021
TIME SAMPLED: 6:33 PM
DATE RECEIVED: 2/23/2021
TIME RECEIVED: 11:24 AM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: MW-7D CHLORIDE EPA 300.0	20	10	mg/L (PPM)	LV	2/23/2021	WATER

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-122
LOCATION: KALKASKA 5
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 022321-4
GTA SAMPLE NO: 2
DATE SAMPLED: 2/18/2021
TIME SAMPLED: 5:55 PM
DATE RECEIVED: 2/23/2021
TIME RECEIVED: 11:24 AM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: MW-10D CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	2/23/2021	WATER

ND = NOT DETECTED, RESULT < LOD
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s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022321-4

PROJECT NO: 20-122

GTA SAMPLE NO: 3

LOCATION: KALKASKA 5

DATE SAMPLED: 2/18/2021

TIME SAMPLED: 4:47 PM

DATE RECEIVED: 2/23/2021

TIME RECEIVED: 11:24 AM

MI

SAMPLED BY: SEAN CLARK/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-26D

CHLORIDE EPA 300.0

Concentration

70

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

2/23/2021

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-122

LOCATION: KALKASKA 5

GTA PROJECT NO: 022321-4

GTA SAMPLE NO: 4

DATE SAMPLED: 2/18/2021

TIME SAMPLED: 3:50 PM

DATE RECEIVED: 2/23/2021

TIME RECEIVED: 11:24 AM

SAMPLED BY: MI
SEAN CLARK/OMPC**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-35D

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

2/23/2021

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

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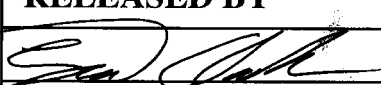
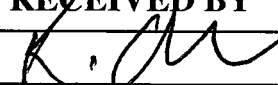
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CHAIN OF CUSTODY

PROJECT NUMBER 20-122	SITE NAME/ADDRESS Kalkaska 5	COMPANY/NAME Lambda
SAMPLED BY Sean Clark	COMPANY Otwell Mauby	GTA PROJECT # 022321-4

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-7D	2/18/2021	6:33pm	GW	BTEX+4, Chlorides
2	MW-10D	2/18/2021	5:55pm	GW	BTEX+4, Chlorides
3	MW-26D	2/18/2021	4:47pm	GW	BTEX+4, Chlorides
4	MW-35D	2/18/2021	3:50pm	GW	BTEX+4, Chlorides

BILL TO: Lambda		REPORT TO: Otwell Mauby	
RELEASED BY 	DATE/TIME 2/23/21 11:29am	RECEIVED BY 	DATE/TIME 2/23/21 11:29
		for G.8% on ice	
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			